

Shop Drawing Submittals & Approved Utility Products:

The Contractor shall submit the following items separately for approval by the City prior to the scheduling of the Preconstruction Meeting:

1. **Five (5)** letters indicating a list of products, selected from the “City of Sunrise Approved Product List” (see attached), to be used for each project (see page 2 for sample letter) indicating the manufacturer name and model number, type, etc., for each item to be used. ***The list shall bear the original signed approval of the Underground Contractor and the Engineer of Record.*** (For all items not listed on the “City of Sunrise Approved Products List”, the Contractor shall submit **five (5)** sets of standard shop drawings or manufacturer’s catalogs with the model number or type of the item encircled or otherwise designated. The City shall have the right to reject any products not listed within the “City of Sunrise Approved Product List”. *The submittals shall bear the approval of the Underground Utility Contractor and the Engineer of Record.*)
2. **Five (5)** sets of complete, detailed sanitary sewer shop drawings for all sanitary manholes, including castings shall be ***submitted bearing the original stamped approval of the Underground Utility Contractor and the Engineer of Record on every sheet.***
3. **Five (5)** sets of complete, detailed wet well shop drawings and a complete set of the lift station pump sizes and electrical shop drawings are also required as applicable and shall be ***submitted bearing the original stamped approval of the Underground Utility Contractor and the Engineer of Record on every sheet.***
4. **Five (5)** sets of complete, detailed drainage shop drawings for all catch basins, storm manholes, control structures and headwalls, including castings shall be ***submitted and shall bear the original stamped approval of the Underground Utility Contractor and the Engineer of Record on every sheet.***

Each of the above listed items shall be submitted separately for approval and must be accompanied by a cover letter of transmittal stating what the package contains and what project it is being submitted for.

No permits for water and/or sewer or drainage construction will be issued by the City of Sunrise until the shop drawings and products list for all items have been approved by the Planning & Development Department and a Preconstruction Meeting has been held.

UTILITY UNDERGROUND CONTRACTORS LETTER HEAD

(Date)

City of Sunrise
10770 W. Oakland Park Blvd.
Sunrise, FL 33351

Re: (Project Name and Location)

Dear:

The following is a list of material received for (Project Name). These products have been checked for compliance with the City's *Approved Product List for Water/Sewer Utility Construction* and have been approved by our Construction Services Department:

Item	Approved Manufacturer	Model/Type
D.I.P.	American Cast Iron Co.	Super Bell –Tite
Fire Hydrant	Mueller	
Gate Valve	Mueller	Resilient Seat
Tapping Sleeves	Mueller	H667
Water Pipe	Union Foundry	Plugs Series 1265
Valve Boxes	U.S. Foundry	7500 Adj. Screw Type

The items listed above are in complete compliance with the approved products list for utility construction in the City of Sunrise and will be used in the construction of the above referenced project. We understand that any substitutions for the above products must be submitted to the City of Sunrise for approval prior to their use.

Sincerely,

(Utility Contractor's Representative
Name and Title)

(Engineer of Record, Name and Title)
w/ Seal

APPROVED PRODUCTS LIST FOR WATER/SEWER UTILITY CONSTRUCTION

PVC WATER PIPE

Brand Name	Model Type	Specifications and Requirements
J-M Pipe	Blue Brute	PVC shall conform to ANSI/AWWA C900-89: Class 200, DR14 for 4" and 6", DR18 for 8", 10" and 12"
Diamond		PVC 12" and up shall conform to ANSI/AWWA C905 DR25.
Certainteed		

DIP WATER PIPE

Brand Name	Model Type	Specifications and Requirements
American Cast Iron Co.	Fast Tite	Conforms to ANSI/AWWA C151/A21.51-91
U.S. Pipe	Tyton Joint	Pressure class 350 for 4"-24" or Class 52 or better for 4" and 6"
McWane/Clow		Class 50 or better for 8" and up Interior cement lining, seal coated.

PVC SEWER PIPE

Brand Name	Model Type	Specifications and Requirements
J-M Pipe	Ring-tite	DR35- Gravity sewer; ASTM D3034 or C900/DR-18
Certainteed		DR14 – Force main; 4" –12"
Diamond		DR-18 – Gravity sewer conflicts.

DIP SEWER PIPE

Brand Name	Model Type	Specifications and Requirements
American Cast Iron Pipe	Fast Tite	Epoxy lined; asphalt coated on the outside.
McWane/Clow		Class 50 or pressure Class 350 for 4"-24"
U.S. Pipe	Tyton Joint	Ceramic epoxy only (40 mils permite or protecto)

WATER PIPE FITTINGS

Brand Name	Model Type	Specifications and Requirements
American Cast Iron Pipe		Mechanical joint DIP per ANSI/AWWA C153/A21.10, cement lined and seal coated per ANSI/AWWA C104/A21.4
Union Foundry	Mechanical Joint – SSB	All fittings Class 350 Or
Tyler		AWWA C-110 full body ductile iron
U.S. Pipe	Full Body	fittings, cement lined and seal coated per ANSI/AWWA C104/A21.4

PVC SEWER PIPE FITTINGS

Brand Name	Model Type	Specifications and Requirements
Multi	Aqualite	Non-pressure (gravity sewer only)
Vassallo	Gask-o-weld	DR35, gasketed, conforms to ASTM D3034
Plastic Trends		
Harco		

DIP SEWER FITTINGS

Brand Name	Model Type	Specifications and Requirements
U.S. Pipe	Mechanical joint – SSB or full body	All epoxy coated C-110 full body mechanical joint DIP or cast iron
Union Foundry		Conforms to ANSI/AWWA C153.A21.10-82 (40mils – ceramic epoxy only) Protecto 401 or Permite

SERVICE SADDLE (INCLUDES SADDLE TOPS)

Brand Name	Model Type	Specifications and Requirements
Ford Meter Box Co.	Double 202B (1-1/2" pipe size or larger) S90 Flat	Bronze saddle with brass bales
		Iron pipe thread
Mueller	BR2B Series	Iron pipe thread

TAPPING VALVES

Brand Name	Model Type	Specifications and Requirements
American Flow Control	500 or 2500 series	Flange by mechanical joint with centering ring – resilient wedge.
Clow	F-6114	
Mueller	T2360	

TAPPING SLEEVES

Brand Name	Model Type	Specifications and Requirements
American Flow Control	2800 series	Mechanical joint
	1004 series	
Clow	F-5205	
Mueller	H615	
Tyler	MJ Cast Iron 5-149-CI	
U.S. Pipe		
JCM Industries	JCM 412	Epoxy coated with stainless steel bolts
Smith-Blair	622 or 633	

CORPORATION STOPS

Brand Name	Model Type	Specifications and Requirements
Ford Meter Box Co.	Ball Corp FB1100	Brass ball valve type- conforms to ANSI/AWWA C800
Mueller	110 Compression outlet B25028-I.P	Iron pipe threads.

CURB STOPS

Brand Name	Model Type	Specifications and Requirements
McDonald	Angle Ball Type	Ball valve type
Mueller		Brass- conforms to ANSI/AWWA C800
Ford Meter Box Co.	BA-43 Series	
	BFA-43 Series	

BRANCH VALVE ASSEMBLIES

Brand Name	Model Type	Specifications and Requirements
Mueller	H-15363	1 ½" compression X M.I.P. with angle ball valve
Macdonald		
Ford Meter Box Co.	UVB43-62W	With ball angle stops

AIR RELEASE VALVES

Brand Name	Model Type	Specifications and Requirements
Val-matic	45 (water)	Stainless steel trim
	48 (force main)	
Crispin	PL-20A(water)	Meeting application and type of main
	SL-20 (sewer)	Air release.
Apco	200-A (water)	
	400 (force main)	
Empire/Golden-Anderson	920 (water)	
	925 (force main)	

GATE VALVES

Brand Name	Model Type	Specifications and Requirements
American Flow Products	500/2500 series	Mechanical joint; conforms to ANSI/AWWA C509
Mueller	Resilient Seat	Resilient seat or resilient wedge non rising stem
Kennedy Valve	Ken-seal	
Clow	F-6100 resilient wedge	
U.S. Pipe	Metroseal	

BUTTERFLY VALVES

Brand Name	Model Type	Specifications and Requirements
Mueller/Pratt	Groundhog	Conforms to ANSI/ASTM C504
Dezurik	BAW	
Clow/ M&H Valve	4500 Series	

VALVE BOXES AND COVERS

Brand Name	Model Type	Specifications and Requirements
Tyler	6850 Series	Cast Iron covers to be marked either
	461-S Type	"WATER" or "SEWER"
U.S. Foundry	#7630 Std. Type Blow Off Box	Permanent tags required at the valve box.
Wagner Company	Bronze ID Disk	

FIRE HYDRANTS

Brand Name	Model Type	Specifications and Requirements
Mueller	Centurion #A-423	Breakaway traffic type with 5-1/4" minimum main valve opening.
American Flow Control	B84B 6"	
Clow	Medallion F-2545	
Kennedy Valve	Guardian K-81-A	
U.S. Pipe	Metropolitan	

SERVICE LINES

Brand Name	Model Type	Specifications and Requirements
Phillips	Driscopipe Ultra Line	DR9, P.E., 3408 Conforms to ASTM D1248

SERVICE FITTINGS, COUPLINGS, CLAMPS & HARDWARE

Brand Name	Model Type	Specifications and Requirements
Mueller	110 Conductive	Compression couplings for Polyethylene tubing.

Ford Meter Co.	C14;C84;C44	
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SERVICE LOCATORS

Brand Name	Model Type	Specifications and Requirements
3M Scotch Mark	Full Range	1253 Green Large Marker

PVC PIPE MANHOLE ADAPTORS

Brand Name	Model Type	Specifications and Requirements
Harrington Corp.	PVC Sewer Adapter	Grouted repair coupling.

FLEXIBLE MANHOLE CONNECTORS

Brand Name	Model Type	Specifications and Requirements
Kor-N-Seal		Manhole boot supplied by precast company.

MANHOLE LIDS, FRAMES & RINGS

Brand Name	Model Type	Specifications and Requirements
U.S. Foundry	420G	Raised letters "SANITARY SEWER" & "CITY OF SUNRISE"

WATERMETERS LARGER THAN 2"

Brand Name	Model Type	Specifications and Requirements
Schlumberger	Neptune	Turbine meters over 2" in size.
Badger		
Note: City to supply meters 2" in size and smaller. Contractors to provide meters larger than 2" in size.		

DEBRIS CAP

Brand Name	Model Type	Specifications and Requirements
Services	Scotch Mark 4" Disk Marker	4" diameter by 3/8" thick 1.4 oz. Color coded to APWA standards.

PIPE RESTRAINTS

Brand Name	Model Type	Specifications and Requirements
EBBA	Fittings/Valves	
	Iron – Megalug – 1100	For DIP @ MJ connections
	PVC – 2000 PV	For PVC @ MJ connections
EBBA	Bell Harness (PVC) 1600/2800	
Uniflange	Series 1300	
U.S. Pipe/McWane		Field LOC gaskets for Tyton joint DIP
American Cast Iron Pipe		Fast grip gaskets for Fast Tite DIP

